

### **ABSTRACT**

In a cooling-air cooler for a gas-turbine plant of a power plant, in which cooling-air cooler first means for spraying water into the cooling-air flow and second means for generating steam are arranged in a pressure vessel, through which the cooling air flows, between a cooling-air inlet and a cooling-air outlet in the cooling-air flow, simplified operation is achieved in that a water separator is provided on the cooling-air side in the direction of the flow downstream of the first means.

**IN THE ABSTRACT:**

Kindly replace the Abstract with the Abstract of the Disclosure being submitted currently herewith on a separate sheet.